

#5



Pur/09

RAW SEQUENCE LISTING

DATE: 08/26/2002

PATENT APPLICATION: US/09/744,314

TIME: 14:03:27

Input Set : A:\pf0568usn_seqlist.txt

Output Set: N:\CRF3\08262002\I744314.raw

ENTERED

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4 <110> APPLICANT: INCYTE PHARMACEUTICALS, INC.
5     BANDMAN, Olga
6     TANG, Y. Tom
7     YUE, Henry
8     CORLEY, Neil C.
9     GUEGLER, Karl J.
10    AZIMZAI, Yalda
11    PATTERSON, Chandra
12    LAL, Preeti
13    BAUGHN, Mariah R.
16 <120> TITLE OF INVENTION: HUMAN TROPOMYOSIN-LIKE TUMOR-ASSOCIATED PROTEINS
18 <130> FILE REFERENCE: PF-0568 PCT
C--> 20 <140> CURRENT APPLICATION NUMBER: US/09/744,314
C--> 21 <141> CURRENT FILING DATE: 2002-08-26
23 <150> PRIOR APPLICATION NUMBER: 09/127,665
24 <151> PRIOR FILING DATE: 1998-07-31
26 <160> NUMBER OF SEQ ID NOS: 17
28 <170> SOFTWARE: FastSeq Ver. 3.0
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31 <211> LENGTH: 284
32 <212> TYPE: PRT
33 <213> ORGANISM: Homo sapiens
35 <220> FEATURE:
36 <221> NAME/KEY: misc_feature
37 <223> OTHER INFORMATION: Incyte Clone No: 1274060
39 <400> SEQUENCE: 1
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43           20           25           30
44 Ala Ala Glu Asp Lys Cys Lys Gln Val Glu Glu Glu Leu Thr His
45           35           40           45
46 Leu Gln Lys Lys Leu Lys Gly Thr Glu Asp Glu Leu Asp Lys Tyr
47           50           55           60
48 Ser Glu Asp Leu Lys Asp Ala Gln Glu Lys Leu Glu Leu Thr Glu
49           65           70           75
50 Lys Lys Ala Ser Asp Ala Glu Gly Asp Val Ala Ala Leu Asn Arg
51           80           85           90
52 Arg Ile Gln Leu Val Glu Glu Glu Leu Asp Arg Ala Gln Glu Arg
53           95          100          105
54 Leu Ala Thr Ala Leu Gln Lys Leu Glu Glu Ala Glu Lys Ala Ala
55          110          115          120
56 Asp Glu Ser Glu Arg Gly Met Lys Val Ile Glu Asn Arg Ala Met

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57          125          130          135
58 Lys Asp Glu Glu Lys Met Glu Ile Gln Glu Met Gln Leu Lys Glu
59          140          145          150
60 Ala Lys His Ile Ala Glu Glu Ala Asp Arg Lys Tyr Glu Glu Val
61          155          160          165
62 Ala Arg Lys Leu Val Ile Leu Glu Gly Glu Leu Glu Arg Ala Glu
63          170          175          180
64 Glu Arg Ala Glu Val Ser Glu Leu Lys Cys Gly Asp Leu Glu Glu
65          185          190          195
66 Glu Leu Lys Asn Val Thr Asn Asn Leu Lys Ser Leu Glu Ala Ala
67          200          205          210
68 Ser Glu Lys Tyr Ser Glu Lys Glu Asp Lys Tyr Glu Glu Glu Ile
69          215          220          225
70 Lys Leu Leu Ser Asp Lys Leu Lys Glu Ala Glu Thr Arg Ala Glu
71          230          235          240
72 Phe Ala Glu Arg Thr Val Ala Lys Leu Glu Lys Thr Ile Asp Asp
73          245          250          255
74 Leu Glu Glu Lys Leu Ala Gln Ala Lys Glu Glu Asn Val Gly Leu
75          260          265          270
76 His Gln Thr Leu Asp Gln Thr Leu Asn Glu Leu Asn Cys Ile
77          275          280
82 <210> SEQ ID NO: 2
83 <211> LENGTH: 158
84 <212> TYPE: PRT
85 <213> ORGANISM: Homo sapiens
87 <220> FEATURE:
88 <221> NAME/KEY: misc_feature
89 <223> OTHER INFORMATION: Incyte Clone No: 1577078
91 <400> SEQUENCE: 2
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93 1 5 10 15
94 Glu Ile Gln Glu Met Gln Leu Lys Glu Ala Lys His Ile Ala Glu
95 20 25 30
96 Glu Ala Asp Arg Lys Tyr Glu Glu Val Ala Arg Lys Leu Val Ile
97 35 40 45
98 Leu Glu Gly Glu Leu Glu Arg Ala Glu Glu Arg Ala Glu Val Ser
99 50 55 60
100 Glu Leu Lys Cys Gly Asp Leu Glu Glu Glu Leu Lys Asn Val Thr
101 65 70 75
102 Asn Asn Leu Lys Ser Leu Glu Ala Ala Ser Glu Lys Tyr Ser Glu
103 80 85 90
104 Lys Glu Asp Lys Tyr Glu Glu Glu Ile Lys Leu Leu Ser Asp Lys
105 95 100 105
106 Leu Lys Glu Ala Glu Thr Arg Ala Glu Phe Ala Glu Arg Thr Val
107 110 115 120
108 Ala Lys Leu Glu Lys Thr Ile Asp Asp Leu Glu Glu Lys Leu Ala
109 125 130 135
110 Gln Ala Lys Glu Glu Asn Val Gly Leu His Gln Thr Leu Asp Gln
111 140 145 150

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112 Thr Leu Asn Glu Leu Asn Cys Ile
113                               155
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121 <213> ORGANISM: Homo sapiens
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124 <221> NAME/KEY: misc_feature
125 <223> OTHER INFORMATION: Incyte Clone No: 1426711
130 <400> SEQUENCE: 3
131 Met Asp Ala Ile Lys Lys Lys Met Gln Met Leu Lys Leu Asp Lys
132   1           5           10           15
133 Glu Asn Ala Leu Asp Arg Ala Glu Gln Ala Glu Ala Asp Lys Lys
134           20           25           30
135 Ala Ala Glu Asp Arg Ser Lys Gln Leu Glu Glu Asp Ile Ala Ala
136           35           40           45
137 Lys Glu Lys Leu Leu Arg Val Ser Glu Asp Glu Arg Asp Arg Val
138           50           55           60
139 Leu Glu Glu Leu His Lys Ala Glu Asp Ser Leu Leu Ala Ala Glu
140           65           70           75
141 Glu Ala Ala Ala Lys Ala Glu Ala Asp Val Ala Ser Leu Asn Arg
142           80           85           90
143 Arg Ile Gln Leu Val Glu Glu Glu Leu Asp Arg Ala Gln Glu Arg
144           95          100          105
145 Leu Ala Thr Ala Leu Gln Lys Leu Glu Glu Ala Glu Lys Ala Ala
146          110          115          120
147 Asp Glu Ser Glu Arg Gly Met Lys Val Ile Glu Ser Arg Ala Gln
148          125          130          135
149 Lys Asp Glu Glu Lys Met Glu Ile Gln Glu Ile Gln Leu Lys Glu
150          140          145          150
151 Ala Lys His Ile Ala Glu Asp Ala Asp Arg Lys Tyr Glu Glu Val
152          155          160          165
153 Ala Arg Lys Leu Val Ile Ile Glu Ser Asp Leu Glu Arg Ala Glu
154          170          175          180
155 Glu Arg Ala Gly Glu Gly Leu Asp Lys Asp Arg Arg Ala Ala Thr
156          185          190          195
157 His His Pro Ser Pro His Pro His Pro Leu Leu Glu Phe
158          200          205
162 <210> SEQ ID NO: 4
163 <211> LENGTH: 156
164 <212> TYPE: PRT
165 <213> ORGANISM: Homo sapiens
167 <220> FEATURE:
168 <221> NAME/KEY: misc_feature
169 <223> OTHER INFORMATION: Incyte Clone No: 1676756
171 <400> SEQUENCE: 4
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173   1           5           10           15
174 Leu Arg Glu Leu Thr Glu Gly Arg Thr Leu Asp Trp Pro Gln Asn

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175          20          25          30
176 Arg Ile Thr Glu Val Ser Ala Lys Arg Gln Ile Val Thr Glu Tyr
177          35          40          45
178 Arg Glu Lys Gly Lys Arg Asn Tyr Glu Glu Lys Lys Arg Asp Leu
179          50          55          60
180 Glu Gly Arg Ser Arg Arg Tyr Asn Leu Cys Ile Ile Gly Ile Pro
181          65          70          75
182 Glu Thr Glu Asp Arg Ala Ser Gly Ala Glu Thr Ile Lys Asp Leu
183          80          85          90
184 Leu Glu Lys Asn Phe Pro Glu Leu Lys Asn Glu Leu Asp Leu Gln
185          95         100         105
186 Met Glu Lys Ala His Arg Ile Pro Leu Lys Phe Asn Glu Lys Lys
187         110         115         120
188 Ala Ala Ser Arg His Ile Arg Val Thr Phe Leu Asn Phe Lys Asp
189         125         130         135
190 Glu Thr Phe Tyr Lys His Pro Val Arg Glu Ser Arg Leu Leu Thr
191         140         145         150
192 Lys Gly Gln Lys Ser Gly
193         155
197 <210> SEQ ID NO: 5
198 <211> LENGTH: 876
199 <212> TYPE: PRT
200 <213> ORGANISM: Homo sapiens
202 <220> FEATURE:
203 <221> NAME/KEY: misc_feature
204 <223> OTHER INFORMATION: Incyte Clone No: 1843770
206 <400> SEQUENCE: 5
207 Met Ala Ser Asp Ala Ser His Ala Leu Glu Ala Ala Leu Glu Gln
208   1          5          10          15
209 Met Asp Gly Ile Ile Ala Gly Thr Lys Thr Gly Ala Asp Leu Ser
210          20          25          30
211 Asp Gly Thr Cys Glu Pro Gly Leu Ala Ser Pro Ala Ser Tyr Met
212          35          40          45
213 Asn Pro Phe Pro Val Leu His Leu Ile Glu Asp Leu Arg Leu Ala
214          50          55          60
215 Leu Glu Met Leu Glu Leu Pro Gln Glu Arg Ala Ala Leu Leu Ser
216          65          70          75
217 Gln Ile Pro Gly Pro Thr Ala Ala Tyr Ile Lys Glu Trp Phe Glu
218          80          85          90
219 Glu Ser Leu Ser Gln Val Asn His His Ser Ala Ala Ser Asn Glu
220          95         100         105
221 Thr Tyr Gln Glu Arg Leu Ala Arg Leu Glu Gly Asp Lys Glu Ser
222         110         115         120
223 Leu Ile Leu Gln Val Ser Val Leu Thr Asp Gln Val Glu Ala Gln
224         125         130         135
225 Gly Glu Lys Ile Arg Asp Leu Glu Val Cys Leu Glu Gly His Gln
226         140         145         150
227 Val Lys Leu Asn Ala Ala Glu Glu Met Leu Gln Gln Glu Leu Leu
228         155         160         165

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Input Set : A:\pf0568usn_seqlist.txt

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229	Ser	Arg	Thr	Ser	Leu	Glu	Thr	Gln	Lys	Leu	Asp	Leu	Met	Thr	Glu
230					170					175					180
231	Val	Ser	Glu	Leu	Lys	Leu	Lys	Leu	Val	Gly	Met	Glu	Lys	Glu	Gln
232					185					190					195
233	Arg	Glu	Gln	Glu	Glu	Lys	Gln	Arg	Lys	Ala	Glu	Glu	Leu	Leu	Gln
234					200					205					210
235	Glu	Leu	Arg	His	Leu	Lys	Ile	Lys	Val	Glu	Glu	Leu	Glu	Asn	Glu
236					215					220					225
237	Arg	Asn	Gln	Tyr	Glu	Trp	Lys	Leu	Lys	Ala	Thr	Lys	Ala	Glu	Val
238					230					235					240
239	Ala	Gln	Leu	Gln	Glu	Gln	Val	Ala	Leu	Lys	Asp	Ala	Glu	Ile	Glu
240					245					250					255
241	Arg	Leu	His	Ser	Gln	Leu	Ser	Arg	Thr	Ala	Ala	Leu	His	Ser	Glu
242					260					265					270
243	Ser	His	Thr	Glu	Arg	Asp	Gln	Glu	Ile	Gln	Arg	Leu	Lys	Met	Gly
244					275					280					285
245	Met	Glu	Thr	Leu	Leu	Leu	Ala	Asn	Glu	Asp	Lys	Asp	Arg	Arg	Ile
246					290					295					300
247	Glu	Glu	Leu	Thr	Gly	Leu	Leu	Asn	Gln	Tyr	Arg	Lys	Val	Lys	Glu
248					305					310					315
249	Ile	Val	Met	Val	Thr	Gln	Gly	Pro	Ser	Glu	Arg	Thr	Leu	Ser	Ile
250					320					325					330
251	Asn	Glu	Glu	Glu	Pro	Glu	Gly	Gly	Phe	Ser	Lys	Trp	Asn	Ala	Thr
252					335					340					345
253	Asn	Lys	Asp	Pro	Glu	Glu	Leu	Phe	Lys	Gln	Glu	Met	Pro	Pro	Arg
254					350					355					360
255	Cys	Ser	Ser	Pro	Thr	Val	Gly	Pro	Pro	Pro	Leu	Pro	Gln	Lys	Ser
256					365					370					375
257	Leu	Glu	Thr	Arg	Ala	Gln	Lys	Lys	Leu	Ser	Cys	Ser	Leu	Glu	Asp
258					380					385					390
259	Leu	Arg	Ser	Glu	Ser	Val	Asp	Lys	Cys	Met	Asp	Gly	Asn	Gln	Pro
260					395					400					405
261	Phe	Pro	Val	Leu	Glu	Pro	Lys	Asp	Ser	Pro	Phe	Leu	Ala	Glu	His
262					410					415					420
263	Lys	Tyr	Pro	Thr	Leu	Pro	Gly	Lys	Leu	Ser	Gly	Ala	Thr	Pro	Asn
264					425					430					435
265	Gly	Glu	Ala	Ala	Lys	Ser	Pro	Pro	Thr	Ile	Cys	Gln	Pro	Asp	Ala
266					440					445					450
267	Thr	Gly	Ser	Ser	Leu	Leu	Arg	Leu	Arg	Asp	Thr	Glu	Ser	Gly	Trp
268					455					460					465
269	Asp	Asp	Thr	Ala	Val	Val	Asn	Asp	Leu	Ser	Ser	Thr	Ser	Ser	Gly
270					470					475					480
271	Thr	Glu	Ser	Gly	Pro	Gln	Ser	Pro	Leu	Thr	Pro	Asp	Gly	Lys	Arg
272					485					490					495
273	Asn	Pro	Lys	Gly	Ile	Lys	Lys	Phe	Trp	Gly	Lys	Ile	Arg	Arg	Thr
274					500					505					510
275	Gln	Ser	Gly	Asn	Phe	Tyr	Thr	Asp	Thr	Leu	Gly	Met	Ala	Glu	Phe
276					515					520					525
277	Arg	Arg	Gly	Gly	Leu	Arg	Ala	Thr	Ala	Gly	Pro	Arg	Leu	Ser	Arg

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/744,314

DATE: 08/26/2002

TIME: 14:03:28

Input Set : A:\pf0568usn_seqlist.txt

Output Set: N:\CRF3\08262002\I744314.raw

L:20 M:270 C: Current Application Number differs, Replaced Current Application Number

L:21 M:271 C: Current Filing Date differs, Replaced Current Filing Date